/\* ---------------------------------------- Employee Data ------------------------------------------\*/

SELECT EPH.businessentityID, Rate into ##T3

FROM

(SELECT BusinessEntityID,max(Ratechangedate) as RateChangeDate

FROM HumanResources.EmployeePayHistory

GROUP BY BusinessEntityID) AS T1

JOIN HumanResources.EmployeePayHistory EPH on t1.BusinessEntityID=eph.BusinessEntityID

AND T1.RateChangeDate = EPH.RateChangeDate

select distinct p.businessentityid, p.firstname + ' ' + p.lastname as Name, p.middlename, h.HireDate, h.jobtitle,

DATEDIFF(year,h.birthdate,GETDATE()) as Age,

(CASE WHEN DATEDIFF(year,h.birthdate,GETDATE()) between 20 and 30 THEN '20-30'

WHEN DATEDIFF(year,h.birthdate,GETDATE()) BETWEEN 31 and 40 THEN '31-40'

WHEN DATEDIFF(year,h.birthdate,GETDATE()) BETWEEN 41 and 50 THEN '41-50'

WHEN DATEDIFF(year,h.birthdate,GETDATE()) BETWEEN 51 and 60 THEN '51-60'

WHEN DATEDIFF(year,h.birthdate,GETDATE()) >60 THEN '61+' END) as AgeGroup,

h.maritalstatus, h.gender,d.groupname, dh.startdate, dh.enddate, s.salesquota, s.bonus, s.commissionpct,

s.salesytd, s.saleslastyear, sp.name, sp.countryregioncode, ##T3.rate

from Person.Person as p

join humanresources.employee as h on p.businessentityid = h.businessentityid

left join sales.salesperson as s on p.businessentityid = s.businessentityid

join humanresources.employeedepartmenthistory as dh on dh.businessentityid = p.businessentityid

join humanresources.department as d on dh.departmentid = d.departmentid

join person.businessentityaddress as ba on p.businessentityid = ba.businessentityid

join person.Address as a on ba.AddressID = a.AddressID

join person.StateProvince as sp on a.StateProvinceID = sp.StateProvinceID

join humanresources.employeepayhistory as pr on p.businessentityid = pr.businessentityid

JOIN ##T3 on p.businessentityid= ##T3.businessentityid

where dh.enddate is null and sp.countryregioncode = 'US'

/\* ------------------------------------------------------------------------------------------------------\*/

/\* ----------------------------------------- Highest Sales ----------------------------------------------\*/

SELECT sales.salesterritory.name as Territory, Firstname+''+Lastname as Name,sum(Totaldue) as sum\_of\_TotalDue,

Person.StateProvince.countryregioncode INTO #T1

FROM sales.salesorderheader

JOIN Person.Person on sales.salesorderheader.salespersonid = person.person.businessentityid

JOIN sales.salesterritory on sales.salesorderheader.territoryid = sales.salesterritory.territoryid

join person.businessentityaddress on person.person.businessentityid = person.businessentityaddress.businessentityid

join person.Address on person.businessentityaddress.AddressID = person.address.AddressID

JOIN Person.StateProvince on person.address.stateprovinceID = person.stateprovince.stateprovinceID

GROUP BY sales.salesterritory.name ,Firstname+''+Lastname,Person.StateProvince.countryregioncode

HAVING Person.StateProvince.countryregioncode='US'

SELECT Territory,max(sum\_of\_TotalDue) as Employee\_max INTO #T2

FROM (SELECT sales.salesterritory.name as Territory, Firstname+''+Lastname as Name,sum(Totaldue) as sum\_of\_TotalDue,

Person.StateProvince.countryregioncode

FROM sales.salesorderheader

JOIN Person.Person on sales.salesorderheader.salespersonid = person.person.businessentityid

JOIN sales.salesterritory on sales.salesorderheader.territoryid = sales.salesterritory.territoryid

join person.businessentityaddress on person.person.businessentityid = person.businessentityaddress.businessentityid

join person.Address on person.businessentityaddress.AddressID = person.address.AddressID

JOIN Person.StateProvince on person.address.stateprovinceID = person.stateprovince.stateprovinceID

GROUP BY sales.salesterritory.name ,Firstname+''+Lastname,Person.StateProvince.countryregioncode

HAVING Person.StateProvince.countryregioncode='US') as a

GROUP BY territory

SELECT #T1.Territory,Name,Employee\_max

FROM #T1

JOIN #T2 on #T2.territory=#T1.territory AND #T2.Employee\_max=#T1.sum\_of\_totalDue

/\* ------------------------------------------ Sales Data --------------------------------------------\*/

select sales.salesorderdetail.salesorderid, sum(sales.salesorderdetail.orderqty) as TotalQty into #TotalQty from sales.salesorderdetail

join sales.salesorderheader on sales.salesorderdetail.salesorderid = sales.salesorderheader.salesorderid

where sales.salesorderdetail.salesorderid=sales.salesorderheader.salesorderid

group by sales.salesorderdetail.salesorderid

select distinct p.businessentityid, p.firstname + ' ' + p.lastname as Name, h.jobtitle,

d.groupname, oh.salesorderid, oh.orderdate, oh.totaldue, oh.subtotal, t.totalqty, st.name as Territory, sp.name as State, sp.countryregioncode

from Person.Person as p

join humanresources.employee as h on p.businessentityid = h.businessentityid

join humanresources.employeedepartmenthistory as dh on dh.businessentityid = p.businessentityid

join humanresources.department as d on dh.departmentid = d.departmentid

left join sales.salesorderheader as oh on oh.salespersonid = p.businessentityid

join sales.salesorderdetail as o on o.salesorderid = oh.salesorderid

join #totalqty as t on t.salesorderid = oh.salesorderid

join sales.salesterritory as st on st.territoryid = oh.territoryid

join person.businessentityaddress as ba on p.businessentityid = ba.businessentityid

join person.Address as a on ba.AddressID = a.AddressID

join person.StateProvince as sp on a.StateProvinceID = sp.StateProvinceID

where sp.countryregioncode = 'US'